BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads and Drains at Kogilu Lake Road in Ward No.5 Byatarayanapura Sub Division

							Estimate Cost Rs.		1950000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 Excavation for road formation KSRRB 300-3. Earth work excavation and foming in embankment by manual means in ordinary soil with initial lead upto 15m, and lift of 1.5m, (when earth Is taken from bank cutting of from borrow pits) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. (excluding watering and compaction of earth) MORTH chapter 3. No. 141/ Item No. 19.3/ PWD SR 2015-16	cum							
	For Road Surface								
	Lake Road		1	298.00	6.50	0.24	464.88		
							464.88	105.84	**49203.00**
	Basic Rate	98.00							
	Area Weightage @ 8%	7.84							
	Total	**105.84**							
2	KSRRB 300-1. Earth work excavation by manual means in Hard Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.2/ PWD SR 2015-16	Cum							
	For Sanitary Road Cutting Portion by BWSSB								
	Kogilu Lake Road		1	298.00	1.20	0.45	160.92		
							160.92	115.56	**18596.00**
	Basic Rate	107.00							
	Area Weightage @ 8%	8.56							
	Total	**115.56**							
3	KSRRB M400-7: Construction of granular sub base by providing coarse graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per specifications. No. 164/ Item No. 20.6 / PWD SR 2015-16								
	For Filling of Sanitary and Water Supply Road Cutting Portion								
	2nd Main		1	298.00	1.20	0.45	160.92		
							160.92	**1490.40**	239835.00
	Basic Rate	1380.00							
	Area Weightage @ 8%	110.40							
	Total	**1490.40**							

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRRB M300-53 : Construction of embankment with approved material Gravel/Murrum with all lifts and leads, trasnporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. **(Page No. 144 & Item No. 19.60) PWD SR 2015--16**	**Cum**							
	Kogilu Lake Road		1	298.00	6.50	0.35	677.95		
							677.95	311.04	**210870.00**
	Basic Rate	288.00							
	Area Weightage @ 8%	23.04							
	Total	**311.04**							
5	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 154/ Item No. 20.18/ PWD SR 2015-16	Cum							
	Kogilu lake Road		1	298.00	6.50	0.20	387.40		
							387.40	1713.96	**663988.00**
	Basic Rate	1587.00							
	Area Weightage @ 8%	126.96							
	Total	**1713.96**							
6	KSRRB 500-4: providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 157/ Item No. 21.5/ PWD SR 2015-16	Sqm							
	Kogilu lake Road		1	298.00	6.50		1937.00		
							1937.00	59.40	**115058.00**
	Basic Rate	55.00							
	Area Weightage @ 8%	4.40							
	Total	**59.40**							

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. P. No. 159/ Item No. 21.21.1/ PWD SR 2015-16	Cum		298-00			48.43		448621.00
	Kogilu Lake Road		1	322.00	6.50	0.025	52.33		
							52.33	9264.24	484751.00
	Basic Rate	8578.00					48.43		
	Area Weightage @ 8%	686.24							
	Total	**9264.24**							
8	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum					625.80		42129.00
			Qty. Vide Item No. 1+5				599.73		
							599.73	67.32	40373.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.12					625.80		
	PWD SR 2010-11 (P.118/I.17.1) For loading	62.20							1788300.00
	Total	**67.32**							43064.00
							Grand Total		1929949.00
10	For 1% Third Party Inspection Charges +8% KRIDL charges.						143064.00 +		19299.00
11	Miscesallaneous Charges	L/S						75300	752.00
									1950000.00

Rupees Nineteen Lakh(s) Fifty Thousand Only

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
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ಬ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

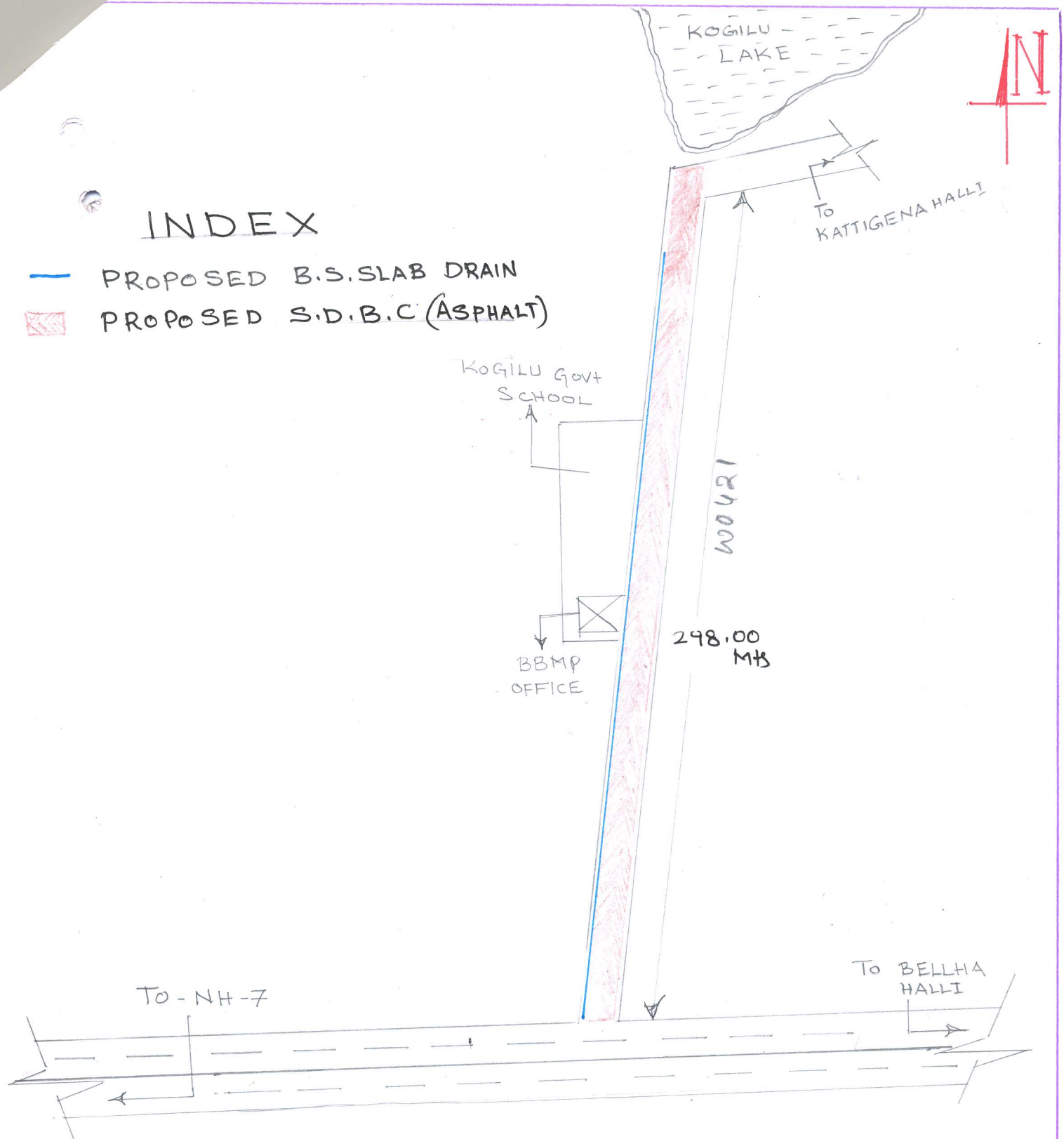
Administrative Approval
Accorded For 19.50 lakhs
Head of A/C P3111
CER NO : 49 Dt: 08.11.16

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. 19.50L
Head of A/c P-3111
Div. Ref. No. 67/16-17 Date 8/11/16

SE (TP)

8/11/16



SKETCH SHOWING PROPOSED IMPROVEMENTS to ROADS and DRAINS at KOGILU LAKE ROAD in WARD NO. 05 BYATARAYANAPURA SUB DIVISION.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24